Comparisons of Job Characteristics

Focus Occupation: Registered Nurses (29-1111)
Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 64

Focus Occupation: Registered Nurses (29-1111)
Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Customer and Personal Service	11.3	17.5	18.5	0	Current knowledge level may be sufficient
Medicine and Dentistry	3.7	14.6	17.8	>	Current knowledge level is likely sufficient
Physics	4.3	14.0	3.5	<<	Extensive education and/or training may be required
Biology	3.7	7.2	13.3	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Registered Nurses (29-1111)
Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Science	4.5	10.3	9.4	0	Current skill level may be sufficient
Operation Monitoring	6.6	10.0	8.0	<	A higher skill level may be required
Operation and Control	5.4	9.5	5.3	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	6.7	1.1	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	5.6	2.2	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Registered Nurses (29-1111)
Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Near Vision	11.1	12.8	12.5	0	Current ability level may be sufficient
Control Precision	6.6	11.2	6.4	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	10.3	8.6	<	Some improvement in abilities may be required
Flexibility of Closure	7.8	10.3	10.9	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	9.4	8.2	<	Some improvement in abilities may be required
Extent Flexibility	4.8	8.8	5.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Registered Nurses (29-1111)
Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Work Activities	Exclusivity of Activity
Collect clinical data	56
Communicate technical information	4
Explain testing procedures to patient	87
Follow dental or medical office procedures	68
Follow infectious materials procedures	52
Follow patient observation procedures	71
Identify body response variations	57
Inventory medical supplies or instruments	67
Lift or transport ill or injured patients	69
Make presentations on health or medical issues	50
Prepare patient reports	66
Prepare patients for tests, therapy, or treatments	70
Record medical history or data	68
Take vital signs	56
Understand technical operating, service or repair manuals	6
Use interpersonal communication techniques	10

Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Registered Nurses (29-1111)
Associated Occupation: Diagnostic Medical Sonographers (29-2032)

Tools and Technologies	Exclusivity
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Information exchange software	1
Injection and aspiration needles and accessories	25
Intravenous and arterial tubing and administration sets and related products	22
Medical radiological positioning aids	47
Medical ultrasound and doppler and echo imaging products	19
Pulmonary function testing and treatment products	24
Specimen collection and transport containers and supplies	14
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.